

## **AMENDMENTS TO THE SPECIFICATION**

**Please amend paragraph [0006] of the instant application as follows:**

[0006] FIG. 1 illustrates heap memory organization 100 of a typical generational garbage collector. Heap memory organization 100 is divided into old generation 110 and new generation 102. New generation 102 follows a design suggested by Ungar, (Ungar, D., "Generation ~~Generational~~-Scavenging: A Non-Disruptive High Performance Storage Reclamation Algorithm", ACM SIGPLAN Notices 19(5), April 1984), and is sub-divided into the creation space eden 104, and an aging space, consisting of from-area 106 and to-area 108.